

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	"6084587".pn. and kinet\$4	US-PGPUB; USPAT	OR	ON	2004/12/10 13:00
L2	1	"6084587".pn. and haptic\$4	US-PGPUB; USPAT	OR	ON	2004/12/10 13:00
S1	6316	arbiter	US-PGPUB; USPAT	OR	OFF	2004/12/09 18:40
S2	2150	(memory or buffer\$4) and display and arbiter	US-PGPUB; USPAT	OR	OFF	2004/03/11 14:42
S3	47166	"345"/\$6.cccls.	US-PGPUB; USPAT	OR	OFF	2004/03/11 14:42
S4	345	((memory or buffer\$4) and display and arbiter) and "345"/\$6.cccls.	US-PGPUB; USPAT	OR	OFF	2004/03/11 14:42
S5	108	(alpha or opacit\$4 or opaqu\$4 or transluc\$6) and (((memory or buffer\$4) and display and arbiter) and "345"/\$6.cccls.)	US-PGPUB; USPAT	OR	OFF	2004/03/11 14:55
S6	1	("6061004").PN.	USPAT; USOCR	OR	OFF	2004/03/12 10:29
S7	1	coll\$6 and (("6061004").PN.)	USPAT	OR	OFF	2004/03/11 16:26
S8	1	(("6061004").PN.) and position	USPAT	OR	OFF	2004/03/11 16:49
S9	1	((("6061004").PN.) and (hand or articula\$4))	USPAT	OR	OFF	2004/03/11 18:15
S10	702	anchor\$2 and "345"/\$6.cccls.	USPAT	OR	OFF	2004/03/11 16:54
S11	586	user and (anchor\$2 and "345"/\$6.cccls.)	USPAT	OR	OFF	2004/03/11 16:54
S12	508	input and (user and (anchor\$2 and "345"/\$6.cccls.))	USPAT	OR	OFF	2004/03/11 16:54
S13	346	real\$6 and (input and (user and (anchor\$2 and "345"/\$6.cccls.)))	USPAT	OR	OFF	2004/03/11 18:15
S14	1	"6135928".PN.	USPAT	OR	OFF	2004/03/11 17:00
S15	1	"6128130".PN.	USPAT	OR	OFF	2004/03/11 17:01
S16	1	"5860811".PN.	USPAT	OR	OFF	2004/03/11 17:01
S17	1	"5551920".PN.	USPAT	OR	OFF	2004/03/11 17:01
S18	1	"5533933".PN.	USPAT	OR	OFF	2004/03/11 17:01
S19	1	"5490784".PN.	USPAT	OR	OFF	2004/03/11 17:01
S20	1	"5349533".PN.	USPAT	OR	OFF	2004/03/11 17:01
S21	1	"5182150".PN.	USPAT	OR	OFF	2004/03/11 17:01
S22	1	"4995603".PN.	USPAT	OR	OFF	2004/03/11 17:01
S23	1	"4389047".PN.	USPAT	OR	OFF	2004/03/11 17:01
S24	1	"4489932".PN.	USPAT	OR	OFF	2004/03/11 17:01
S25	1	"4514347".PN.	USPAT	OR	OFF	2004/03/11 17:01

S26	1	"4856771".PN.	USPAT	OR	OFF	2004/03/11 17:02
S27	1	"4995603".PN.	USPAT	OR	OFF	2004/03/11 17:02
S28	5605	haptic or (force\$2 near4 feedback\$2)	USPAT	OR	OFF	2004/10/20 17:36
S29	19	(real\$6 and (input and (user and (anchor\$2 and "345"/\$6.ccls.)))) and (haptic or (force\$2 near4 feedback\$2))	USPAT	OR	OFF	2004/03/11 17:03
S30	18	hand\$2 and ((real\$6 and (input and (user and (anchor\$2 and "345"/\$6.ccls.)))) and (haptic or (force\$2 near4 feedback\$2)))	USPAT	OR	OFF	2004/03/11 18:14
S31	3031	hand\$2 and (haptic or (force\$2 near4 feedback\$2))	USPAT	OR	OFF	2004/03/11 18:14
S32	332	"345"/\$6.ccls. and (hand\$2 and (haptic or (force\$2 near4 feedback\$2)))	USPAT	OR	OFF	2004/03/11 18:15
S33	294	("345"/\$6.ccls. and (hand\$2 and (haptic or (force\$2 near4 feedback\$2)))) and real\$5	USPAT	OR	OFF	2004/03/11 18:15
S34	2754	(haptic or (force\$2 near4 feedback\$2)) and (hand or articula\$4)	USPAT	OR	OFF	2004/03/11 18:25
S35	312	"345"/\$6.ccls. and ((haptic or (force\$2 near4 feedback\$2)) and (hand or articula\$4))	USPAT	OR	OFF	2004/03/11 18:15
S36	280	real\$6 and ("345"/\$6.ccls. and ((haptic or (force\$2 near4 feedback\$2)) and (hand or articula\$4)))	USPAT	OR	OFF	2004/03/11 18:16
S37	54798	display\$2 same (hand or articula\$4)	USPAT	OR	OFF	2004/03/11 18:26
S38	9562	"345"/\$6.ccls. and (display\$2 same (hand or articula\$4))	USPAT	OR	OFF	2004/03/11 18:25
S39	185	(haptic or (force\$2 near4 feedback\$2)) and ("345"/\$6.ccls. and (display\$2 same (hand or articula\$4)))	USPAT	OR	OFF	2004/03/11 18:25
S40	15618	display\$2 near6 (hand or articula\$4)	USPAT	OR	OFF	2004/03/11 18:26
S41	63	(display\$2 near6 (hand or articula\$4)) and "345"/\$6.ccls. and (haptic or (force\$2 near4 feedback\$2))	USPAT	OR	OFF	2004/03/11 18:26
S42	1	("6232891").PN.	USPAT; USOCR	OR	OFF	2004/03/12 10:26
S43	1	("6,104,379").PN.	USPAT; USOCR	OR	OFF	2004/03/12 10:29

S44	0	("1andarticula\$6").PN.	USPAT; USOCR	OR	OFF	2004/03/12 10:29
S45	0	(("6061004").PN.) and articula\$6	USPAT	OR	OFF	2004/03/12 10:30
S46	0	(("6061004").PN.) and glov\$4	USPAT	OR	OFF	2004/03/12 10:29
S47	1	("6061004").PN.	USPAT; USOCR	OR	OFF	2004/03/12 10:29
S48	1	(("6061004").PN.) and input\$6	USPAT	OR	OFF	2004/03/12 10:30
S49	3584629	@rlad<"20010724" or @ad<"20010724"	US-PGPUB; USPAT	OR	OFF	2004/10/20 17:27
S50	651605	(hand\$2 or articulat\$5 or finger\$2 or appendage\$2) same (shape or orient\$9 or position\$2 or manipulat\$6)	US-PGPUB; USPAT	OR	OFF	2004/10/20 17:46
S51	52777	(hand\$2 or articulat\$5 or finger\$2 or appendage\$2) same (simulat\$6 or interact\$7)	US-PGPUB; USPAT	OR	OFF	2004/10/20 17:29
S52	678444	((hand\$2 or articulat\$5 or finger\$2 or appendage\$2) same (shape or orient\$9 or position\$2 or manipulat\$6)) or ((hand\$2 or articulat\$5 or finger\$2 or appendage\$2) same (simulat\$6 or interact\$7))	US-PGPUB; USPAT	OR	OFF	2004/10/20 17:30
S53	595964	(((hand\$2 or articulat\$5 or finger\$2 or appendage\$2) same (shape or orient\$9 or position\$2 or manipulat\$6)) or ((hand\$2 or articulat\$5 or finger\$2 or appendage\$2) same (simulat\$6 or interact\$7))) and (@rlad<"20010724" or @ad<"20010724")	US-PGPUB; USPAT	OR	OFF	2004/10/20 17:30
S54	595799	(((hand\$2 or articulat\$5 or finger\$2 or appendage\$2) same (shape or orient\$9 or position\$2 or manipulat\$6)) or ((hand\$2 or articulat\$5 or finger\$2 or appendage\$2) same (simulat\$6 or interact\$7))) and (@rlad<"20010724" or @ad<"20010724")) not immersion. as.	US-PGPUB; USPAT	OR	OFF	2004/10/20 17:31
S55	599853	(hand\$2 or articulat\$5 or finger\$2 or appendage\$2) same (position\$2 or location\$2 or coordinate\$2)	US-PGPUB; USPAT	OR	OFF	2004/10/20 17:31
S56	267734	(hand\$2 or articulat\$5 or finger\$2 or appendage\$2) same (shape or orient\$9 or manipulat\$6)	US-PGPUB; USPAT	OR	OFF	2004/10/20 17:31

S57	162948	((hand\$2 or articulat\$5 or finger\$2 or appendage\$2) same (position\$2 or location\$2 or coordinate\$2)) and ((hand\$2 or articulat\$5 or finger\$2 or appendage\$2) same (shape or orient\$9 or manipulat\$6))	US-PGPUB; USPAT	OR	OFF	2004/10/20 17:31
S58	143484	(@rlad<"20010724" or @ad<"20010724") and (((hand\$2 or articulat\$5 or finger\$2 or appendage\$2) same (position\$2 or location\$2 or coordinate\$2)) and ((hand\$2 or articulat\$5 or finger\$2 or appendage\$2) same (shape or orient\$9 or manipulat\$6)))	US-PGPUB; USPAT	OR	OFF	2004/10/20 17:31
S59	143357	((@rlad<"20010724" or @ad<"20010724") and (((hand\$2 or articulat\$5 or finger\$2 or appendage\$2) same (position\$2 or location\$2 or coordinate\$2)) and ((hand\$2 or articulat\$5 or finger\$2 or appendage\$2) same (shape or orient\$9 or manipulat\$6)))) not immersion.as.	US-PGPUB; USPAT	OR	OFF	2004/10/20 17:48
S60	3398	"345"/\$6.ccls. and (((@rlad<"20010724" or @ad<"20010724") and (((hand\$2 or articulat\$5 or finger\$2 or appendage\$2) same (position\$2 or location\$2 or coordinate\$2)) and ((hand\$2 or articulat\$5 or finger\$2 or appendage\$2) same (shape or orient\$9 or manipulat\$6)))) not immersion.as.)	US-PGPUB; USPAT	OR	OFF	2004/10/20 17:32
S61	794	345/619.ccls.	US-PGPUB; USPAT	OR	OFF	2004/10/20 17:33
S62	71	345/701.ccls.	US-PGPUB; USPAT	OR	OFF	2004/10/20 17:33
S63	79	345/702.ccls.	US-PGPUB; USPAT	OR	OFF	2004/10/20 17:37
S64	5909	haptic or (force\$2 near4 feedback\$2)	USPAT	OR	OFF	2004/12/09 18:47
S65	871	((@rlad<"20010724" or @ad<"20010724") and (((hand\$2 or articulat\$5 or finger\$2 or appendage\$2) same (position\$2 or location\$2 or coordinate\$2)) and ((hand\$2 or articulat\$5 or finger\$2 or appendage\$2) same (shape or orient\$9 or manipulat\$6)))) and (haptic or (force\$2 near4 feedback\$2))	USPAT	OR	OFF	2004/10/20 17:36

S66	7838	haptic or (force\$2 near4 feedback\$2)	US-PGPUB; USPAT	OR	OFF	2004/10/20 17:36
S67	1135	((@rlad<"20010724" or @ad<"20010724") and (((hand\$2 or articulat\$5 or finger\$2 or appendage\$2) same (position\$2 or location\$2 or coordinate\$2)) and ((hand\$2 or articulat\$5 or finger\$2 or appendage\$2) same (shape or orient\$9 or manipulat\$6)))) and (haptic or (force\$2 near4 feedback\$2))	US-PGPUB; USPAT	OR	OFF	2004/10/20 17:37
S68	926	345/619.ccls. or 345/701.ccls. or 345/702.ccls.	US-PGPUB; USPAT	OR	OFF	2004/12/09 18:48
S69	33	(((@rlad<"20010724" or @ad<"20010724") and (((hand\$2 or articulat\$5 or finger\$2 or appendage\$2) same (position\$2 or location\$2 or coordinate\$2)) and ((hand\$2 or articulat\$5 or finger\$2 or appendage\$2) same (shape or orient\$9 or manipulat\$6)))) and (haptic or (force\$2 near4 feedback\$2))) and (345/619.ccls. or 345/701.ccls. or 345/702.ccls.)	US-PGPUB; USPAT	OR	OFF	2004/10/20 17:38
S70	2003	345/156.ccls.	US-PGPUB; USPAT	OR	OFF	2004/10/20 17:37
S71	2906	(345/619.ccls. or 345/701.ccls. or 345/702.ccls.) or 345/156.ccls.	US-PGPUB; USPAT	OR	OFF	2004/10/20 17:37
S72	166	(((@rlad<"20010724" or @ad<"20010724") and (((hand\$2 or articulat\$5 or finger\$2 or appendage\$2) same (position\$2 or location\$2 or coordinate\$2)) and ((hand\$2 or articulat\$5 or finger\$2 or appendage\$2) same (shape or orient\$9 or manipulat\$6)))) and (haptic or (force\$2 near4 feedback\$2))) and ((345/619.ccls. or 345/701.ccls. or 345/702.ccls.) or 345/156.ccls.)	US-PGPUB; USPAT	OR	OFF	2004/10/20 17:39
S73	80170	(interact\$5 or manipulat\$4) same object\$4	US-PGPUB; USPAT	OR	OFF	2004/10/20 17:42

S74	154	(((@rlad<"20010724" or @ad<"20010724") and (((hand\$2 or articulat\$5 or finger\$2 or appendage\$2) same (position\$2 or location\$2 or coordinate\$2)) and ((hand\$2 or articulat\$5 or finger\$2 or appendage\$2) same (shape or orient\$9 or manipulat\$6)))) and (haptic or (force\$2 near4 feedback\$2)) and ((345/619.ccls. or 345/701.ccls. or 345/702.ccls.) or 345/156.ccls.)) and ((interact\$5 or manipulat\$4) same object\$4)	US-PGPUB; USPAT	OR	OFF	2004/10/20 17:43
S75	7631	(interact\$5 or manipulat\$4) same ((graphic\$4 or display\$3) near5 object\$4)	US-PGPUB; USPAT	OR	OFF	2004/10/20 17:46
S76	107	(((@rlad<"20010724" or @ad<"20010724") and (((hand\$2 or articulat\$5 or finger\$2 or appendage\$2) same (position\$2 or location\$2 or coordinate\$2)) and ((hand\$2 or articulat\$5 or finger\$2 or appendage\$2) same (shape or orient\$9 or manipulat\$6)))) and (haptic or (force\$2 near4 feedback\$2)) and ((345/619.ccls. or 345/701.ccls. or 345/702.ccls.) or 345/156.ccls.)) and ((interact\$5 or manipulat\$4) same ((graphic\$4 or display\$3) near5 object\$4))	US-PGPUB; USPAT	OR	OFF	2004/10/20 17:43
S77	655050	(hand\$2 or articulat\$5 or finger\$2 or appendage\$2 or glove\$2) same (shape or orient\$9 or position\$2 or manipulat\$6)	US-PGPUB; USPAT	OR	OFF	2004/10/20 17:46
S78	369	(hand\$2 or glove\$2 or articulat\$6 or appendage\$2 or finger\$2) same ((interact\$5 or manipulat\$4) near9 ((graphic\$4 or display\$3) near5 object\$4))	US-PGPUB; USPAT	OR	OFF	2004/10/20 17:48
S79	81	((345/619.ccls. or 345/701.ccls. or 345/702.ccls.) or 345/156.ccls.) and ((hand\$2 or glove\$2 or articulat\$6 or appendage\$2 or finger\$2) same ((interact\$5 or manipulat\$4) near9 ((graphic\$4 or display\$3) near5 object\$4)))	US-PGPUB; USPAT	OR	OFF	2004/10/20 17:48

S80	69	(@rlad<"20010724" or @ad<"20010724") and (((345/619. ccls. or 345/701.ccls. or 345/702. ccls.) or 345/156.ccls.) and ((hand\$2 or glove\$2 or articulat\$6 or appendage\$2 or finger\$2) same ((interact\$5 or manipulat\$4) near9 ((graphic\$4 or display\$3) near5 object\$4))))	US-PGPUB; USPAT	OR	OFF	2004/10/20 17:48
S81	50	((@rlad<"20010724" or @ad<"20010724") and (((345/619. ccls. or 345/701.ccls. or 345/702. ccls.) or 345/156.ccls.) and ((hand\$2 or glove\$2 or articulat\$6 or appendage\$2 or finger\$2) same ((interact\$5 or manipulat\$4) near9 ((graphic\$4 or display\$3) near5 object\$4)))))) not immersion.as.	US-PGPUB; USPAT	OR	OFF	2004/10/20 17:49
S82	44	(((@rlad<"20010724" or @ad<"20010724") and (((345/619. ccls. or 345/701.ccls. or 345/702. ccls.) or 345/156.ccls.) and ((hand\$2 or glove\$2 or articulat\$6 or appendage\$2 or finger\$2) same ((interact\$5 or manipulat\$4) near9 ((graphic\$4 or display\$3) near5 object\$4)))))) not immersion.as.) not rosenberg.in.	US-PGPUB; USPAT	OR	OFF	2004/10/20 17:49
S83	44	((((@rlad<"20010724" or @ad<"20010724") and (((345/619. ccls. or 345/701.ccls. or 345/702. ccls.) or 345/156.ccls.) and ((hand\$2 or glove\$2 or articulat\$6 or appendage\$2 or finger\$2) same ((interact\$5 or manipulat\$4) near9 ((graphic\$4 or display\$3) near5 object\$4)))))) not immersion.as.) not rosenberg.in.) not shahoian.in.	US-PGPUB; USPAT	OR	OFF	2004/10/20 18:02
S84	3105981	@rlad<"19991103" or @ad<"19991103"	US-PGPUB; USPAT	OR	OFF	2004/10/20 18:05
S85	39	(@rlad<"19991103" or @ad<"19991103") and (((((@rlad<"20010724" or @ad<"20010724") and (((345/619. ccls. or 345/701.ccls. or 345/702. ccls.) or 345/156.ccls.) and ((hand\$2 or glove\$2 or articulat\$6 or appendage\$2 or finger\$2) same ((interact\$5 or manipulat\$4) near9 ((graphic\$4 or display\$3) near5 object\$4)))))) not immersion.as.) not rosenberg.in.) not shahoian.in.)	US-PGPUB; USPAT	OR	OFF	2004/10/20 18:03
S86	2585549	@rlad<"19970512" or @ad<"19970512"	US-PGPUB; USPAT	OR	OFF	2004/10/20 18:06

S87	29	(@rlad<"19970512" or @ad<"19970512") and ((((@rlad<"20010724" or @ad<"20010724") and (((345/619. ccls. or 345/701.ccls. or 345/702. ccls.) or 345/156.ccls.) and ((hand\$2 or glove\$2 or articulat\$6 or appendage\$2 or finger\$2) same ((interact\$5 or manipulat\$4) near9 ((graphic\$4 or display\$3) near5 object\$4)))) not immersion.as.) not rosenberg.in.) not shahoian.in.)	US-PGPUB; USPAT	OR	OFF	2004/10/20 18:06
S91	0	("6422941or6160489or5690582or55 75761or5437607or5436622or52839 70or5186695or5175459or5165897o r5022384or4885565or4484191or44 64117or4333070or4262549or41277 52or2972140").PN.	USPAT	OR	OFF	2004/12/09 18:42
S92	17	("6422941" or "6160489" or "5690582" or "5575761" or "5437607" or "5436622" or "5283970" or "5186695" or "5175459" or "5165897" or "5022384" or "4885565" or "4484191" or "4464117" or "433070" or "4262549" or "4127752" or "2972140").pn.	USPAT	OR	OFF	2004/12/09 18:46
S93	2825091	(@rlad<"19981103" or @ad<"19981103")	USPAT	OR	OFF	2004/12/09 18:46
S94	1636619	hand or glove or finger or appendage or articulat\$6	US-PGPUB; USPAT	OR	ON	2004/12/09 18:46
S95	8322	haptic or (force\$2 near4 feedback\$2)	US-PGPUB; USPAT	OR	ON	2004/12/09 18:47
S96	2547	S93 and S94 and S95	US-PGPUB; USPAT	OR	ON	2004/12/09 18:47
S97	1356	S94 same S95	US-PGPUB; USPAT	OR	ON	2004/12/09 18:47
S98	635	S93 and S97	US-PGPUB; USPAT	OR	ON	2004/12/09 18:47
S99	826	345/619.ccls. or 345/701.ccls. or 345/702.ccls.	US-PGPUB; USPAT	OR	ON	2004/12/09 18:48
S100	0	S98 and S99	US-PGPUB; USPAT	OR	ON	2004/12/09 18:48
S101	44243	"345"/\$6.ccls.	US-PGPUB; USPAT	OR	ON	2004/12/09 18:48
S102	143	S98 and S101	US-PGPUB; USPAT	OR	ON	2004/12/09 18:48
S103	217237	(shape or orient\$6 or position\$2 or locat\$4) near6 S94	US-PGPUB; USPAT	OR	ON	2004/12/09 18:49

S10 4	1448	S95 and S103	US-PGPUB; USPAT	OR	ON	2004/12/09 18:49
S10 5	702	S93 and S104	US-PGPUB; USPAT	OR	ON	2004/12/09 18:49
S10 6	727	S103 and S97	US-PGPUB; USPAT	OR	ON	2004/12/09 18:49
S10 7	182	S106 and S101	US-PGPUB; USPAT	OR	ON	2004/12/09 18:49
S10 8	73	S93 and S107	US-PGPUB; USPAT	OR	ON	2004/12/09 18:50
S10 9	41	S108 not immersion.as.	US-PGPUB; USPAT	OR	ON	2004/12/09 18:50
S11 0	39	S109 and object\$4	US-PGPUB; USPAT	OR	ON	2004/12/09 18:56
S11 1	36	S110 not virtual.as.	US-PGPUB; USPAT	OR	ON	2004/12/09 19:19
S11 2	16	S111 and (quadratic\$6 or linear\$4)	US-PGPUB; USPAT	OR	ON	2004/12/10 09:12
S11 3	9123	"21" and (quadratic\$6 and linear\$4)	US-PGPUB; USPAT	OR	ON	2004/12/10 09:12
S11 4	2825091	(@rlad<"19981103" or @ad<"19981103")	USPAT	OR	OFF	2004/12/10 09:12
S11 5	1636619	hand or glove or finger or appendage or articulat\$6	US-PGPUB; USPAT	OR	ON	2004/12/10 09:12
S11 6	8322	haptic or (force\$2 near4 feedback\$2)	US-PGPUB; USPAT	OR	ON	2004/12/10 09:12
S11 7	1356	S115 same S116	US-PGPUB; USPAT	OR	ON	2004/12/10 09:12
S11 8	44243	"345"/\$6.ccls.	US-PGPUB; USPAT	OR	ON	2004/12/10 09:12
S11 9	217237	(shape or orient\$6 or position\$2 or locat\$4) near6 S115	US-PGPUB; USPAT	OR	ON	2004/12/10 09:12
S12 0	727	S119 and S117	US-PGPUB; USPAT	OR	ON	2004/12/10 09:12
S12 1	182	S120 and S118	US-PGPUB; USPAT	OR	ON	2004/12/10 09:12
S12 2	73	S114 and S121	US-PGPUB; USPAT	OR	ON	2004/12/10 09:12
S12 3	41	S122 not immersion.as.	US-PGPUB; USPAT	OR	ON	2004/12/10 09:50
S12 4	39	S123 and object\$4	US-PGPUB; USPAT	OR	ON	2004/12/10 09:12
S12 5	36	S124 not virtual.as.	US-PGPUB; USPAT	OR	ON	2004/12/10 09:50
S12 6	0	S125 and (quadratic\$6 and linear\$4)	US-PGPUB; USPAT	OR	ON	2004/12/10 09:49

S12 7	4721	S115 and S116	US-PGPUB; USPAT	OR	ON	2004/12/10 09:48
S12 8	818280	variable or constraint	US-PGPUB; USPAT	OR	ON	2004/12/10 09:48
S12 9	12328	(quadratic\$6 and linear\$4)	US-PGPUB; USPAT	OR	ON	2004/12/10 09:49
S13 0	7706	S129 and S128	US-PGPUB; USPAT	OR	ON	2004/12/10 09:49
S13 1	88	S127 and S130	US-PGPUB; USPAT	OR	ON	2004/12/10 09:49
S13 2	66	S114 and S131	US-PGPUB; USPAT	OR	ON	2004/12/10 09:49
S13 3	66	S132 not immersion.as.	US-PGPUB; USPAT	OR	ON	2004/12/10 09:50
S13 4	66	S133 not virtual.as.	US-PGPUB; USPAT	OR	ON	2004/12/10 09:50
S13 5	1356	S115 same S116	US-PGPUB; USPAT	OR	ON	2004/12/10 09:50
S13 6	4	S134 and S135	US-PGPUB; USPAT	OR	ON	2004/12/10 12:51